明治十九年七月刊行

明治十九年三月廿三日出版屆濟

定價金拾三錢

観象臺長 海軍大尉 磯野健閲
観測士 海軍中尉 山崎喜勝
観測助手 海軍一等技手 中川將行
同 海軍二等技手 伊藤直温
同 海軍属 岩間侃次郎
同 海軍八等技手 小澤兼藏
同 海軍属 日比翁輔
同 海軍属 白井正信

(Signed) Director.
K. Isono.

Observer.
Y. Yamazaki.

Assistant.
M. Nakagawa.
„ N. Itō.
„ K. Iwama.
„ K. Ozawa.
„ O. Hibi.
„ M. Shirai.

REMARKS.

Day.	
1	C; R. from about 2.20 p.m.
2	R. to past 1 a.m., Fine, but dull.
3	Fine, but dull.
4	Fine, but dull; R. from about 9.35 a.m., N. or N.W. w_2 from about 8 p.m.
5	R. to about 1 a.m., Dull; S. w_2 from about 1 p.m., Barometer especially falls.
6	B; P. about 3.46 p.m.—about 4.03 p.m.
7	Fine and pleasant in a.m., Dull in p.m., *r. b.* on the south, about 6.40 p.m.
8	Dull; T. on the S.E., about 4.25 p.m.
9	Fine and pleasant; Dull in night.
10	Dull in a.m., Fine and pleasant in p.m.
11	Dull; E. about 1.40 a.m., R. about 0.40 p.m.—past 9 p.m.
12	C; S. w_2 in all day.
13	C; R. at intervals, past 3 p.m., S. w_2 in all day.
14	C; R. from past 11 a.m., E. about 6.26 p.m. and about 6.58 p.m.
15	R. to about 5 a.m., Dull; *l. h.* from about 8.50 p.m.
16	C.
17	Cloudy, with rain at intervals.
18	Dull.
19	Fine and pleasant.
20	Fine and pleasant in a.m., B.C. in p.m., Fine and pleasant in night.
21	Fine and pleasant.
22	Fine and pleasant in a.m., B.C. in p.m., Fine and pleasant in night.
23	Dull in a.m , Fine and pleasant in p m.
24	Fine and pleasant.
25	Fine and pleasant.
26	B.C., S. w_2 from about 9 a.m.
27	Dull; R. at intervals, from past 2 a.m.
28	C., R. from about 11.05 p.m., S. or S.W. w_2 in all day.
29	R. to past 10 a.m., C., S. w_2 to about 6 a.m., Barometer especially falls.
30	C., R. from 2.30 p.m.

記事

一日 陰天午後二時二十分頃ヨリ降雨
二日 午前一時過雨歇ミ爾後薄晴
三日 薄晴
四日 薄晴午前九時三十五分頃ヨリ微雨午後八時頃ヨリ北或ハ北西風稍强
五日 午前一時頃雨歇ミ爾後薄陰午後一時頃ヨリ南風稍强此日風雨鹹殊ニ降下ス
六日 晴午後三時四十六分頃驟雨同四時三分頃歇ム
七日 午前快晴午後薄陰同六時四十分頃南方ニ斷虹現出ス
八日 薄陰午後四時二十五分頃南東ニ當リ屢々雷鳴ヲ聞ク
九日 快晴夜來薄陰
十日 午前薄陰午後快晴
十一日 薄陰午前一時四十分頃地震シ午後零時四十分頃ヨリ降雨同九時過歇ム
十二日 陰天此日南風稍强
十三日 陰天午後三時過時々疎雨此日南風稍强
十四日 陰天午前十一時過ヨリ降雨午後六時二十六分頃地輕震シ同時五十八分頃復地震ス
十五日 午前五時頃雨歇ミ爾後薄陰午後八時五十分頃ヨリ月暈ヲ帶フ
十六日 陰天
十七日 陰天時々微雨
十八日 薄陰
十九日 快晴
二十日 午前快晴午後半晴夜來再ヒ快晴
廿一日 快晴
廿二日 午前快晴午後半晴夜來再ヒ快晴
廿三日 午前薄晴午後快晴
廿四日 快晴
廿五日 快晴
廿六日 半晴午前九時頃ヨリ南風稍强
廿七日 薄陰午前二時過ヨリ時々微雨
廿八日 陰天午後十一時五分頃ヨリ降雨此日南或ハ南西風稍强
廿九日 午前十時過雨歇ミ爾後陰天午前六時頃マテ南風稍强此日風雨鹹殊ニ降下ス
三十日 陰天午後二時三十分頃ヨリ微雨

地平磁針力

HORIZONTAL INTENSITY.

6th Beginning time 3h 30m P. M. Ending 4 32

六日午後三時三十分ヨリ同四時三十二分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A	B	Mean.	No.	A	B	Mean.
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
東 East.	E.	1	180 33 40	33 0	33 20				
	W.					2	173 54 40	54 0	54 20
	E.	3	180 33 50	33 0	33 25				
	W.					4	173 54 50	54 0	54 25
	E.	5	180 34 0	33 0	33 30				
平均 Means			180° 33′ 25″.0				173° 54′ 22″.5		
西 West.	W.					6	173 51 30	50 40	51 5
	E.	7	180 29 0	28 10	28 35				
	W.					8	173 51 20	50 30	50 55
	E.	9	180 29 10	28 20	28 45				
	W.					10	173 51 20	50 40	51 0
平均 Means.			180° 28′ 40″.0				173° 51′ 0″0		

平均温度 Mean Temperature t = 73°.6 fah.

偏針角 Angle of Deflection u = 3° 19′ 10″.6

搖振時 Oscillations.

振數 No. of Osc.	測時 Time.	温度 Temp.	尺度兩端之視閲數 Extreme. Scale-readings.		百振之時 Time of 100 Oscillations.
	h m s	°			m s
0	4 19 31.5	72.8	3.2	56.0	
10	20 16.0				
20	21 0.4				
31	21 50.0				
41	22 34.0				
51	23 18.4				
100	26 56.3				7 24.8
110	27 40.6				24.6
120	28 25.0				24.6
131	29 14.0				24.0
141	29 58.2				24.2
151	30 43.0	72.0	16.7	41.5	24.6
平均 Means.		72.4	....		7 24.47

物捩差 Mean effect of 90° of Torsion v = 1.98

時儀日差 Daily rate s = 4s.20 losing.

成果 Resulting absolute value X = 6.3211

21st Beginning time 3h 30m P. M. Ending 4 40

廿一日午後三時三十分ヨリ同四時四十分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A	B	Mean.	No.	A	B	Mean.
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
東 East.	E.	1	176 40 20	39 40	40 0				
	W.					2	169 59 20	58 40	59 0
	E.	3	176 40 40	39 40	40 10				
	W.					4	169 59 20	58 40	59 0
	E.	5	176 40 30	39 40	40 5				
平均 Means.			176° 40′ 5″.0				169° 59′ 0″.0		
西 West.	W.					6	169 57 0	56 20	56 40
	E.	7	176 34 20	33 40	34 0				
	W.					8	169 57 0	56 20	56 40
	E.	9	34 20	33 40	34 0				
	W.					10	169 57 0	56 0	56 30
平均 Means.			176° 34′ 0″.0				169° 56′ 36″.7		

平均温度 Mean Temperature t = 79°.3 fah.

偏針角 Angle of Deflection u = 3° 19′ 37.″1

搖振時 Oscillations.

振數 No. of Osc.	測時 Time.	温度 Temp.	尺度兩端之視閲數 Extreme Scale-readings.		百振之時 Time of 100 Oscillations.
	h m s	°			m s
0	4 26 34.5	79.0	7.3	53.0	
10	27 19.0				
20	28 3.4				
31	28 52.3				
41	29 36.9				
51	30 21.0				
100	33 5[illegible].9				7 24.4
110	34 43.0				24.0
120	35 27.4				24.0
131	36 16.2				23.9
141	37 1.0				24.1
151	37 45.4	79.0	17.2	42.0	24.4
平均 Means.		79.0	....		7 24.13

物捩差 Mean effect of 90° of Torsion v = 1.79

時儀日差 Daily rate s = 0.22 gaining.

成果 Resulting absolute value X = 6.3219

磁氣觀測之月報

東京海軍觀象臺

MONTHLY REPORT OF THE MAGNETICAL OBSERVATIONS,
NAVAL OBSERVATORY, TOKIO.

磁氣偏差
Magnetic Declination.

Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′
1	4 3.8	5	4 2.5	9	4 4.7	13	4 4.4	17	4 1.8	21	4 3.0	25	4 3.8	29	4 3.2
2	4 3.3	6	4 2.7	10	4 4.4	14	4 3.8	18	4 4.1	22	4 3.1	26	4 2.4	30	4 4.8
3	4 3.3	7	4 2.3	11	4 3.7	15	4 2.4	19	4 0.3	23	4 3.3	27	4 4.7		
4	4 2.0	8	4 4.1	12	4 3.4	16	4 2.8	20	4 3.0	24	4 4.5	28	4 2.8		

平均 Mean = 4° 3′.28

磁氣傾差
Magnetic Inclination.

6th Beginning time 5^h 10^m P. M. / Ending time 5 33 P. M. — 六日午後五時十分ヨリ同時三十三分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Face E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 27	49 27	50 13	50 12	49 24	49 25	49 56	49 54	49 15	49 15	49 20	49 19	49 46	49 46	50 24	50 25
49 28	49 27	50 14	50 12	49 24	49 25	49 56	49 54	49 32	49 33	49 17	49 17	49 42	49 43	50 24	50 26
49 27.5	49 27.0	50 13.5	50 12.0	49 24.0	49 25.0	49 56.0	49 54.0	49 23.5	49 24.0	49 18.5	49 18.0	49 44.0	49 44.5	50 24.0	50 25.5
49 27.3		50 12.8		49 24.5		49 55.0		49 23.8		49 18.3		49 44.3		50 24.8	
49 50.0				49 39.8				49 21.0				50 4.5			
49 44.9								49 42.7							

成果 Resulting Dip = 49° 43′.8

21st Beginning time 5^h 10^m P. M. / Ending time 5 32 P. M. — 廿一日午後五時十分ヨリ同時三十二分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Face E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 18	49 15	50 10	50 5	48 56	48 56	49 51	49 47	49 28	49 30	49 23	49 26	49 36	49 35	49 20	49 23
49 31	49 27	50 12	50 8	49 2	49 3	49 53	49 50	49 29	49 29	49 19	49 22	49 40	49 39	49 22	49 25
49 24.5	49 21.0	50 11.0	50 6.5	48 59.0	48 59.5	49 52.0	49 48.5	49 28.5	49 29.5	49 21.0	49 24.0	49 38.0	49 37.0	49 21.0	49 24.0
49 22.8		50 8.8		48 59.3		49 50.3		49 29.0		49 22.5		49 37.5		49 22.5	
49 45.8				49 24.8				49 25.8				49 30.0			
49 35.3								49 27.9							

成果 Resulting Dip = 49° 31′.6

天候

WEATHER.

日次 Date	卷雲 Cirrus.	積雲 Cumulus.	層雲 Stratus.	卷積雲 Cirro-Cumulus.	卷層雲 Cirro-Stratus.	積層雲 Cumulo-Stratus.	卷積層雲 Cirro-Cumulo-Stratus.	降雨 Rain.	降雪 Snow.	靄霧 Fog.	全晴 Clear.	陰部 Obscured part.	雨雪水量 Amount of Rain & Snow.
													in
1	...	...	...	1	...	1	1	5	...	...	...	9.9	0.75
2	6	...	1	1	...	...	...	...	...	...	...	4.5	0.66
3	...	...	...	7	...	...	...	...	...	...	1	4.5	...
4	...	1	...	2	...	...	...	5	...	...	...	10.0	...
5	...	...	...	7	...	...	1	...	...	...	...	5.9	0.88
6	...	...	...	8	...	...	...	...	...	...	...	4.1	...
7	...	...	...	4	...	4	...	...	...	...	...	5.9	...
8	...	...	...	7	...	...	1	...	...	...	...	8.4	...
9	...	...	...	7	...	...	...	...	...	...	1	4.1	...
10	...	1	1	5	1	...	...	...	...	...	...	5.1	...
11	...	1	...	4	...	...	...	3	...	...	...	9.8	...
12	...	1	1	4	1	1	...	...	...	...	...	8.8	0.37
13	...	...	...	7	...	...	1	...	...	...	...	9.8	...
14	...	...	...	2	...	1	1	4	...	...	...	9.3	...
15	...	...	...	7	...	...	...	1	...	...	...	7.8	0.48
16	1	1	...	3	3	...	...	...	...	...	...	8.6	...
17	...	3	...	3	...	...	...	2	...	...	...	9.5	...
18	...	...	...	4	1	1	...	2	...	...	...	8.4	...
19	...	...	...	8	...	...	...	...	...	...	...	3.5	...
20	4	...	...	4	...	...	...	...	...	...	...	3.8	...
21	4	...	...	1	...	...	...	...	...	...	3	1.8	...
22	2	...	...	2	2	...	...	...	...	...	2	3.5	...
23	...	1	...	5	1	...	...	...	...	...	1	3.9	...
24	...	...	...	3	...	...	...	...	...	...	5	2.0	...
25	...	...	...	4	...	...	...	...	...	...	4	1.8	...
26	1	...	...	7	...	...	...	...	...	...	...	7.1	...
27	...	...	...	7	...	...	...	1	...	...	...	6.9	...
28	...	1	1	5	...	...	...	1	...	...	...	7.4	...
29	...	2	...	1	...	2	...	3	...	...	...	8.9	0.70
30	...	...	...	3	1	1	...	3	...	...	...	8.1	...
合計 Sums.	18	12	4	133	10	11	5	30	...	...	17	...	3.84
平均 Means.	...	...	...	...	...	...	...	...	...	...	...	6.4	...

風 WIND.

日次 Date.	平穩時數 Hours of Calm.	北 N. 時數 Number of Hours.	北 N. 速力 Number of Miles.	東北 N. E. 時數 Number of Hours.	東北 N. E. 速力 Number of Miles.	東 E. 時數 Number of Hours.	東 E. 速力 Number of Miles.	東南 S. E. 時數 Number of Hours.	東南 S. E. 速力 Number of Miles.	南 S. 時數 Number of Hours.	南 S. 速力 Number of Miles.	西南 S. W. 時數 Number of Hours.	西南 S. W. 速力 Number of Miles.	西 W. 時數 Number of Hours.	西 W. 速力 Number of Miles.	西北 N. W. 時數 Number of Hours.	西北 N. W. 速力 Number of Miles.	計合 Total. 時數 Number of Hours.	計合 Total. 速力 Number of Miles.	最强 Strongest. 方位 Directions.	最强 Strongest. 速力 Miles.
1	...	10	41.0	8	77.0	6	39.7	...	...	...	...	...	...	...	...	...	...	24	137.7	N.E.	14.4
2	...	...	...	13	39.4	...	...	2	14.5	9	34.9	...	...	...	...	...	...	24	88.8	S.	8.6
3	2	...	...	...	...	...	...	1	4.4	21	73.1	...	...	...	...	...	...	24	77.5	S.	11.7
4	1	2	31.1	4	40.8	2	17.6	...	...	12	47.0	...	...	...	...	3	45.2	24	181.7	N.W.	17.4
5	...	...	...	3	17.8	...	...	4	27.1	10	110.7	2	12.9	...	...	5	17.4	24	185.9	S.	16.8
6	...	...	...	7	9.9	1	1.9	6	39.2	10	65.7	...	...	...	...	...	...	24	116.7	S.	12.0
7	1	4	63.1	2	23.9	5	22.4	5	44.1	5	15.8	...	...	1	6.8	1	7.4	24	183.5	N.	16.8
8	...	8	54.0	15	119.2	1	3.4	...	...	...	...	...	...	...	...	...	...	24	176.6	N.E.	12.4
9	...	2	10.1	9	21.9	...	...	8	55.9	5	22.0	...	...	...	...	...	...	24	109.9	S.E.	10.2
10	2	...	...	...	...	...	...	6	43.7	11	43.8	5	25.2	...	...	...	...	24	112.7	S.E.	10.6
11	1	...	...	...	...	...	...	13	34.3	3	11.8	7	12.9	...	...	...	...	24	59.0	S.	9.5
12	...	...	...	...	...	...	...	...	...	24	519.3	...	...	...	...	...	...	24	519.3	S.	27.8
13	...	...	...	...	...	...	...	...	...	23	441.8	1	20.9	...	...	...	...	24	462.7	S.	26.5
14	...	1	9.8	9	31.4	...	...	...	...	3	29.4	7	72.3	1	3.9	3	15.0	24	161.8	S.W.	12.7
15	5	...	...	6	1.2	1	2.7	4	20.5	2	14.3	6	19.5	...	...	...	...	24	58.2	S.E.	8.5
16	5	...	...	...	...	...	...	...	...	14	66.7	...	...	...	...	...	...	24	72.7	S.	8.4
17	3	...	...	...	...	...	...	17	24.8	4	12.0	...	...	...	...	...	...	24	36.8	S.	5.3
18	8	...	...	...	...	...	...	16	31.9	...	...	...	...	...	...	...	...	24	31.9	S.E.	6.4
19	...	13	142.4	2	10.0	...	...	6	4.6	...	...	...	...	...	...	3	31.4	24	188.4	N.	17.7
20	...	3	9.6	...	...	...	...	...	...	14	123.8	...	...	...	...	7	57.3	24	190.7	S.	13.1
21	2	...	...	...	...	...	...	...	...	16	146.9	3	7.8	3	3.3	...	...	24	158.0	S.	18.2
22	1	...	...	...	...	...	...	...	...	23	144.7	...	...	...	...	...	...	24	144.7	S.	17.7
23	2	...	...	...	...	...	...	...	...	22	180.5	...	...	...	...	...	...	24	180.5	S.	14.5
24	3	...	...	...	...	...	...	...	...	18	198.4	3	5.8	...	...	...	...	24	204.2	S.	16.6
25	2	...	...	...	...	...	...	...	...	22	140.6	...	...	...	...	...	...	24	140.6	S.	11.4
26	...	...	...	...	...	...	...	...	...	22	317.0	2	16.3	...	...	...	...	24	333.3	S.	22.4
27	...	...	...	...	...	...	...	...	...	15	233.7	9	180.0	...	...	...	...	24	413.7	S.W.	23.9
28	...	...	...	...	...	...	...	...	...	19	393.2	5	74.8	...	...	...	...	24	468.0	S.	23.7
29	1	1	5.2	2	19.0	11	51.6	...	...	6	148.3	...	...	...	...	3	31.6	24	255.7	S.	* 28.1
30	6	...	...	...	...	4	1.9	8	48.3	6	33.6	...	...	...	...	...	...	24	83.8	S.	9.0
計合 Sums.	45	44	366.3	80	391.5	31	141.2	96	393.3	339	3569.0	55	454.4	5	14.0	25	205.3	720	5535.0	..	...
極强 Max.	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	S.	28.1

濕氣百分數

HUMIDITY.

(Saturation = 100)

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
1	96	96	86	83	89	94	98	98
2	100	92	64	40	47	73	87	81
3	91	98	74	59	56	65	85	90
4	87	91	87	89	80	98	99	96
5	98	93	76	64	59	72	79	76
6	90	92	64	61	56	75	91	77
7	83	69	57	59	61	70	69	82
8	89	84	61	62	57	60	71	94
9	90	80	64	63	58	60	85	86
10	91	91	82	67	62	73	91	94
11	93	91	71	61	90	97	95	99
12	95	97	85	81	69	87	89	91
13	94	95	87	81	89	87	89	89
14	92	93	78	88	94	94	89	100
15	99	95	82	76	67	75	84	96
16	98	96	67	71	62	78	87	88
17	95	87	87	83	76	79	93	97
18	99	99	91	84	76	85	91	99
19	94	93	46	38	38	38	52	53
20	56	49	44	44	48	60	69	84
21	95	95	65	54	51	65	83	86
22	95	95	74	65	58	78	91	94
23	98	98	76	59	48	65	85	93
24	97	93	79	59	49	70	84	90
25	97	92	74	63	55	67	87	91
26	94	91	72	72	67	74	84	81
27	86	86	61	64	50	70	87	92
28	87	85	75	68	70	83	88	90
29	93	94	93	79	67	71	75	89
30	92	90	76	59	47	65	92	93
平均 Means.	92	90	73	67	63	74	85	89

蒸發力 ELASTIC FORCE OF VAPOUR.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	0.501	0.509	0.526	0.529	0.550	0.487	0.469	0.479
2	0.433	0.431	0.407	0.336	0.362	0.480	0.449	0.396
3	0.375	0.379	0.480	0.477	0.443	0.427	0.464	0.427
4	0.407	0.446	0.487	0.552	0.509	0.550	0.511	0.479
5	0.494	0.541	0.578	0.570	0.570	0.570	0.531	0.470
6	0.483	0.494	0.511	0.518	0.477	0.543	0.562	0.415
7	0.391	0.364	0.419	0.477	0.498	0.470	0.427	0.472
8	0.439	0.447	0.421	0.444	0.436	0.427	0.406	0.459
9	0.430	0.391	0.451	0.494	0.531	0.485	0.535	0.507
10	0.539	0.533	0.546	0.541	0.556	0.596	0.546	0.537
11	0.560	0.560	0.505	0.539	0.650	0.652	0.650	0.697
12	0.718	0.728	0.738	0.756	0.749	0.723	0.701	0.699
13	0.713	0.708	0.738	0.769	0.746	0.721	0.694	0.699
14	0.704	0.733	0.749	0.687	0.650	0.622	0.582	0.592
15	0.588	0.584	0.586	0.626	0.615	0.626	0.568	0.580
16	0.539	0.578	0.596	0.682	0.615	0.678	0.617	0.626
17	0.648	0.580	0.657	0.697	0.655	0.664	0.711	0.699
18	0.706	0.774	0.741	0.728	0.788	0.761	0.777	0.834
19	0.788	0.759	0.485	0.487	0.482	0.416	0.410	0.381
20	0.382	0.375	0.437	0.459	0.509	0.511	0.507	0.572
21	0.537	0.543	0.596	0.574	0.611	0.578	0.620	0.590
22	0.550	0.543	0.668	0.655	0.622	0.678	0.655	0.650
23	0.572	0.652	0.624	0.592	0.543	0.568	0.605	0.650
24	0.630	0.639	0.639	0.592	0.518	0.603	0.615	0.657
25	0.609	0.611	0.605	0.646	0.594	0.596	0.641	0.668
26	0.675	0.687	0.657	0.684	0.684	0.641	0.680	0.659
27	0.668	0.708	0.661	0.684	0.671	0.699	0.751	0.779
28	0.726	0.741	0.774	0.754	0.749	0.779	0.774	0.790
29	0.793	0.793	0.711	0.687	0.624	0.655	0.609	0.630
30	0.639	0.646	0.650	0.588	0.539	0.545	0.584	0.578
平均 Means.	0.575	0.583	0.588	0.594	0.585	0.592	0.588	0.589

露點温度

DEW POINT.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	59.1	59.5	60.4	60.6	61.7	58.3	57.2	57.8
2	55.0	54.9	53.3	48.1	50.1	57.9	56 0	52.5
3	51.1	51.4	57.9	57.7	55.6	54.6	56.9	54.6
4	53.3	55.8	58.3	61.8	59.5	61.7	59.6	57.8
5	58.7	61.2	63.1	62.7	62.7	62.7	60.9	57.3
6	58.1	58.7	59.6	60.0	57.7	61.3	62.3	53.8
7	52.2	50.2	54.1	57.7	58.9	57.3	54.6	57.4
8	55.4	55.9	54.2	55.7	55.2	54.6	53.2	56.6
9	54.8	52.2	56.1	58.7	60.8	58.2	60.9	59.4
10	61.1	60 8	61.5	61.2	62.0	64.0	61.5	61.0
11	62.2	62.2	59.3	61.1	66.5	66.6	66.5	68.5
12	69 4	69.8	70.2	70.9	70.6	69.6	68.7	68.6
13	69.2	69.0	70.2	71.4	70.5	69.5	68.4	68.6
14	68.8	70.0	70.6	68.1	66.5	65.2	63.3	63.8
15	63.6	63.4	63.5	65.4	64.9	65.4	62.6	63.2
16	61.1	63.1	64.0	67.9	64 9	67.7	65.0	65.4
17	66.4	63.2	66 8	68.5	66.7	67.1	69.1	68.6
18	68.9	71.6	70.3	69 8	72.1	71.1	71.7	73.8
19	71.0	71.2	58.2	58.3	58 0	53.9	53.5	51.5
20	51.6	51.1	55.3	56.6	59.5	59.6	59.4	62.8
21	61.0	61.3	64.0	62.9	64.7	63.1	65.1	63.7
22	61.7	61.3	67 3	66.7	65.2	67.7	66.7	66.5
23	62.8	66.6	65.3	63 8	61.3	62.6	64.4	66.5
24	65.6	66.0	66.0	63.8	60.0	64.3	64.9	66.8
25	64.6	64.7	64.4	66.3	63.9	64.0	66.1	67.3
26	67.6	68.1	66.8	68.0	68.0	66.1	67.8	66.9
27	67.3	69.0	67.0	68.0	67.4	68.6	70.7	71.8
28	69.7	70.3	71.6	70 8	70.6	71.8	71.8	72.2
29	72.3	72.3	69.1	68.1	65.3	66.7	64.6	65.6
30	66.0	66.3	66.5	63.6	61.1	61.4	63.4	63.1
平均 Means.	62.3	62.7	63.2	63.5	63.1	63.4	63.2	63.1

寒暑鍼 THERMOMETER.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	60.0	60.6	64.7	66.0	65.0	60.0	57.8	58.2
2	55.0	57.0	66.0	74.0	72.0	67.1	59.8	58.0
3	53.3	52.0	66.5	73.0	75.2	66.3	61.2	57.5
4	57.5	58.8	62.4	64.9	66.0	62.4	60.0	58.7
5	59.3	63.5	71.0	75.9	78.1	72.5	67.5	65.0
6	61.1	61.2	69.8	74.3	78.0	69.8	65.0	60.9
7	57.5	60.4	70.0	73.0	73.1	67.5	65.0	62.9
8	58.8	60.9	68.0	69.5	71.2	69.2	63.0	58.5
9	57.8	58.3	69.0	71.8	76.5	72.8	65.6	64.0
10	63.6	63.5	67.3	73.0	76.0	73.0	64.0	62.5
11	64.2	64.7	72.4	75.8	69.5	67.5	67.9	69.0
12	70.8	70.3	75.0	77.2	78.9	74.0	72.0	71.3
13	71.0	70.6	74.5	77.3	74.0	73.7	71.9	71.9
14	71.3	72.1	77.9	72.0	68.1	67.0	66.5	64.0
15	64.0	64.9	69.2	73.5	76.8	74.0	67.5	64.5
16	61.7	64.0	76.0	78.0	78.7	75.1	69.0	69.0
17	68.0	67.2	71.0	73.9	75.0	74.0	70.1	69.5
18	69.1	72.0	73.0	75.0	80.7	76.0	74.3	74.0
19	72.9	72.9	80.5	86.0	86.0	81.3	72.2	69.7
20	67.5	71.6	79.0	80.1	80.5	74.8	70.0	68.0
21	62.5	62.8	76.7	80.5	80.3	76.0	70.9	67.8
22	63.0	62.8	76.3	79.3	81.5	74.9	69.7	68.1
23	63.5	67.1	73.6	79.0	83.0	75.5	69.1	68.8
24	66.5	68.2	73.0	79.0	81.0	74.6	70.2	70.0
25	65.5	67.2	73.1	79.7	81.5	76.0	70.5	70.0
26	69.4	71.0	76.5	77.8	80.0	75.0	73.0	73.0
27	72.0	73.5	79.0	81.6	81.8	79.2	74.8	74.2
28	73.9	74.2	80.0	82.5	81.5	77.2	75.3	75.3
29	74.3	74.5	70.1	75.0	77.0	77.1	72.8	68.8
30	68.5	69.5	74.8	78.8	78.0	74.0	65.9	64.0
平均 Means.	64.8	65.9	72.5	75.9	76.8	72.6	68.1	66.6

改正風雨鍼

BAROMETER.

Reduced to 32° F. and sea level.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	29.575	29.586	29.606	29.593	29.571	29.624	29.718	29.730
2	29.800	29.845	29.910	29.920	29.932	29.942	30.016	30.009
3	30.027	30.043	30.054	30.016	29.973	29.966	29.981	29.945
4	29.917	29.866	29.856	29.811	29.707	29.607	29.511	29.464
5	29.439	29.492	29.492	29.494	29.469	29.490	29.540	29.605
6	29.611	29.659	29.667	29.654	29.625	29.632	29.684	29.718
7	29.740	29.789	29.814	29.817	29.811	29.862	29.920	29.899
8	29.932	29.923	29.957	29.935	29.914	29.913	29.942	29.927
9	29.936	29.939	29.941	29.927	29.899	29.910	29.970	29.989
10	29.990	30.029	30.042	30.025	29.994	30.004	30.057	30.071
11	30.055	30.090	30.093	30.051	30.015	29.982	29.990	29.964
12	29.889	29.908	29.917	29.900	29.859	29.846	29.862	29.865
13	29.832	29.864	29.872	29.877	29.858	29.865	29.867	29.856
14	29.867	29.867	29.914	29.934	29.960	29.984	30.009	29.996
15	30.016	30.027	30.059	30.052	30.017	29.994	30.029	30.024
16	30.029	30.046	30.044	30.024	29.998	30.004	30.032	30.010
17	29.964	29.993	29.979	29.952	29.923	29.915	29.902	29.873
18	29.819	29.794	29.786	29.720	29.651	29.592	29.607	29.588
19	29.601	29.623	29.654	29.641	29.631	29.678	29.776	29.819
20	29.842	29.860	29.910	29.918	29.916	29.942	29.966	29.971
21	29.989	30.001	30.004	29.960	29.968	29.987	30.027	30.030
22	30.031	30.053	30.063	30.074	30.061	30.090	30.134	30.135
23	30.138	30.170	30.168	30.147	30.087	30.107	30.112	30.116
24	30.071	30.108	30.091	30.051	30.015	30.025	30.028	30.031
25	30.010	30.013	30.014	29.976	29.939	29.931	29.949	29.935
26	29.871	29.908	29.898	29.878	29.851	29.836	29.853	29.838
27	29.852	29.863	29.882	29.877	29.831	29.834	29.860	29.859
28	29.839	29.830	29.815	29.762	29.711	29.689	29.664	29.593
29	29.544	29.536	29.605	29.615	29.601	29.631	29.683	29.720
30	29.716	29.767	29.775	29.768	29.739	29.753	29.793	29.775
平均 Means.	29.865	29.883	29.896	29.879	29.851	29.855	29.883	29.879

氣象觀測之月報

東京海軍觀象臺

MONTHLY REPORT

OF THE

METEOROLOGICAL OBSERVATIONS,

NAVAL OBSERVATORY, TOKIO.

Lat. 35° 39′ 17″5 N. Long. 139° 44′ 30″3 E. Height above sea-level 70 feet.

日次 Date.	改正風雨鍼 Barometer. Reduced to 32 F. & sea level. 平均 Mean.	高極 Max.	低極 Min.	寒暑鍼 Thermometer. 平均 Mean.	高極 Max.	低極 Min.	露點溫度 平均 Mean Temp. of Dew point.	蒸發力 平均 Mean elastic force of Vapour.	濕氣百分數 平均 Mean Humidity (Sat.=100).	無氣中日温度 高極 Vacuum solar radiation Max.	日温度 高極 Solar radiation Max.	地温度 低極 Terrestrial radiation Min.
	in	in	in	°	°	°	°	in		°	°	°
1	29.625	29.730	29.571	61.5	70.0	58.0	59.3	0.506	93	117.9	89.0	48.0
2	29.922	30.016	29.800	63.6	75.8	53.5	53.5	0.412	73	144.0	102.0	41.8
3	30.001	30.054	29.945	63.1	75.3	* 50.5	55.0	0.434	77	144.1	102.2	36.8
4	29.717	29.917	29.464	61.3	66.9	56.5	58.5	0.493	91	93.0	74.0	42.7
5	29.503	29.605	* 29.439	69.1	80.0	57.9	61.2	0.541	77	145.9	108.4	45.5
6	29.656	29.718	29.611	67.5	78.0	58.9	58.9	0.500	76	141.3	105.8	45.0
7	29.832	29.920	29.740	66.2	76.8	54.8	55.3	0.440	69	146.8	105.0	38.9
8	29.930	29.957	29.913	64.9	72.2	58.0	55.1	0.435	72	133.9	92.9	45.5
9	29.939	29.989	29.899	67.0	76.5	55.3	57.6	0.478	73	144.1	103.8	45.6
10	30.027	30.071	29.990	67.9	77.8	61.5	61.6	0.549	81	141.9	103.1	48.2
11	30.030	30.093	29.964	68.9	76.0	61.9	64.1	0.602	87	148.5	107.0	46.5
12	29.881	29.917	29.846	73.7	79.0	68.0	69.7	0.727	87	144.1	102.9	58.3
13	29.861	29.877	29.832	73.1	77.8	70.0	69.6	0.724	89	120.0	91.3	48.5
14	29.941	30.009	29.867	69.9	77.9	63.7	67.0	0.665	91	108.5	90.5	52.9
15	30.027	30.059	29.994	69.3	78.0	63.1	64.0	0.597	84	147.5	110.4	49.5
16	30.023	30.046	29.998	71.4	81.0	61.0	64.9	0.616	81	147.1	107.7	46.2
17	29.938	29.993	29.873	71.1	76.5	66.1	67.1	0.664	87	125.9	99.0	* 34.0
18	29.695	29.819	29.588	74.3	82.1	68.5	71.2	0.764	91	140.3	109.0	58.5
19	29.678	29.819	29.601	77.7	* 89.7	68.2	59.5	0.526	57	147.5	* 113.4	53.8
20	29.916	29.971	29.842	73.9	82.9	66.0	57.0	0.469	57	144.0	109.0	51.1
21	29.996	30.030	29.960	72.2	82.7	60.9	63.2	0.581	74	143.0	103.9	46.7
22	30.080	30.135	30.031	72.0	82.6	61.0	65.4	0.628	81	* 149.9	106.0	45.0
23	30.131	* 30.170	30.087	72.5	83.7	63.5	64.2	0.601	78	147.8	104.3	48.5
24	30.053	30.108	30.015	72.8	82.3	63.7	64.7	0.612	78	148.2	106.0	47.8
25	29.971	30.014	29.931	72.9	83.2	63.0	65.2	0.621	78	146.2	105.2	48.3
26	29.867	29.908	29.836	74.5	81.0	68.0	67.4	0.671	78	145.0	105.0	54.5
27	29.857	29.882	29.831	77.0	82.3	67.8	68.7	0.703	75	135.0	100.0	57.8
28	29.738	29.839	29.593	77.5	82.7	72.9	71.1	0.761	81	143.3	103.5	60.0
29	29.617	29.720	29.536	73.7	79.5	68.0	68.0	0.688	83	131.2	97.1	64.0
30	29.761	29.793	29.716	71.7	81.6	64.0	63.9	0.596	77	146.8	107.1	50.8
平均 Means.	29.874	...	...	70.4	...	...	63.1	0.587	79	...	...	...
至極 Max. & Min.	...	30.170	29.439	...	89.7	50.5	...	...	...	149.9	113.4	34.0

凡例

一風雨鍼ハ氷點及海面ニ改正ス

一寒暑鍼ハ都テ華氏ノ度表ヲ用フ

一露點、濕氣、蒸發力、ハ燥濕兩球寒暑鍼ノ實驗ヨリ算出ス

一風ノ方向及速力ハ自記驗風儀ヲ以テ之ヲ測ル而シテ方向ハ八點ニ分チ速力ハ英里ヲ以テ算ス

一天候ノ表中降雨、降雪、靄霧、雲ノ種類ハ悉皆觀望ノ時數ヲ掲ゲ陰部ハ一日間全陰ヲ十トシ他ハ之ニ比例ス

又雨雪ノ水積ハ毎午前九時ニ實驗シ英寸ヲ以テ之ヲ示ス

一磁氣偏差ハ連日午前七時傾差及地平磁針力ハ連月兩回之ヲ觀測ス

一此觀測ノ用器ハ偏差儀傾差儀及「ユーニファイラ」磁氣儀ナリ

一偏針角ノ觀測ニ於テ兩磁氣中心ノ相距ハ一、三英尺トス

一搖振時ノ觀測ニ用フル磁氣ノ尺度一劃分ノ價ハ二分、三七ナリ

NOTE.

The Barometer readings are reduced to freezing point (32° F) and sea level.

Dew point, Humidity and Elastic force of Vapour are deduced from the readings of the dry and wet bulb thermometers.

Direction and Velocity of Wind are measured by Glayser's anemograph.

The numbers under the headings of Rain, Snow, Fog and the kinds of Cloud (C. K. S. N. or Rain) denote how many, out of eight observations made in a day, are either of them.

The portion of sky obscured is determined by estimation after a careful scrutiny of the clouds or sky. A clear sky is denoted by 0, and a total obscuration by 10.

The amount of Rain and Snow are measured at 9 a. m.

The Magnetic declination is observed at 7 a. m. every day, the inclination and the horizontal intensity twice a month, the instruments in use being Declinometer, Inclinometer, and Unifilar Magnetometer.

The apparent distance between the centers of the deflecting and the suspending magnets in the observation of deflection, $r = 1.3$ feet.

The angular value of one scale division of the vibration magnet $= 2'.37$.

晴天 B. (Blue Sky). 陰天 C. (Cloudy Weather). 濛雨 D. (Drizzling, or Light Rain).
地震 E. (Earthquake). 霧 F. (Fog). 暗黒 G. (Dark, gloomy). 霰 H. (Hail).
霜 H. F. (Hoar Frost). 電 L. (Lightning). 濃霧 M. (Misty). 陰雲 O. (Overcast).
驟雨 P. (Passing shower). 嵐 Q. (Squally). 雨 R. (Rain). 雪 S. (Snow). 雷 T. (Thunder).
天氣險惡ノ模樣 U. (Ugly, threatening). 天氣不定 V. (Variable Weather). 露 W. (Dew).
霞霧 Z. (Hazy). 日暈 *s. h.* (Solar Halo). 月暈 *l. h.* (Lunar Halo). 虹 *r. b.* (Rainbow).
風 *w* (Wind). The force of wind is expressed by w_1, w_2, &c, as w_1= slight, w_5= strongest.
快晴 *f. p.* (Fine and pleasant). 薄晴 *f. d.* (Fine, but dull). 薄陰 *d.* (Dull).

氣象及磁氣月報

東京

海軍水路部觀象臺

明治十九年六月

MONTHLY REPORT

OF THE

METEOROLOGICAL AND MAGNETICAL OBSERVATIONS,

DURING

JUNE 1886,

AT THE

NAVAL OBSERVATORY,

IN THE

HYDROGRAPHIC OFFICE

TOKIO.